

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An optical detector system comprising at least two optical detector units for receiving light generated from at least two lasers, respectively, each optical detector unit comprising an array of detector segments and at least one output terminal defining a current output of the corresponding optical detector unit; and

a signal processing circuit;

wherein at least one current output of a first optical detector unit is connected directly to a corresponding current output of a second optical detector unit at an output node, said output node being directly connected to a processing terminal of the signal processing circuit so that the processing terminal is

directly connected to both the at least one current output of the first optical detector unit and the corresponding current output of the second optical detector unit, and

wherein only a first detector unit of the at least two optical detector units is operative, as determined by an identity of a first laser in use of the at least two lasers, a second detector unit of the at least two optical detector units being non-operative by virtue of not receiving light from a second laser of the at least two lasers so that an output of the second detector unit is floating and does not affects output signals produced by the first detector unit.

2. (Previously Presented) The optical detector system according to claim 1, wherein the two optical detector units are of mutually identical design.

3. (Previously Presented) The optical detector system according to claim 2, wherein the two optical detector units have mutually different wavelength sensitivity ranges.

4. (Previously Presented) The optical detector system according to claim 2, wherein each current output of the first optical detector unit is connected directly to the corresponding current output of the second optical detector unit at a corresponding output node.

5. (Previously Presented) The optical detector system according to claim 1, wherein the second optical detector unit in the non-operative state presents a high input impedance.

Claims 6-7 (Canceled)

8. (Currently Amended) The optical detector system according to ~~claim 7~~ claim 1, wherein said at least one input terminal comprises a current input.

9. (Currently Amended) The optical detector system according to ~~claim 7~~ claim 1, wherein said at least one input terminal

comprises a voltage input, and wherein a terminator resistor is connected to said line.

10. (Currently Amended) The optical detector system according to claim 9, wherein said terminator resistor is arranged in the proximity of said signal processing circuit.

11. (Currently Amended) The optical detector system according to claim 9, wherein said terminator resistor is integrated in an IC implementing said signal processing circuit.

12. (Previously Presented) An optical system for a disc drive apparatus, comprising:

light beam generating means for generating at least two light beams;

optical components for directing and focusing the two light beams in a focal spot on an optical disc;

an optical detector system according to claim 1;

optical components for directing reflected light beams to

respective optical detector units of the optical detector system.

13. (Previously Presented) The optical system according to claim 12, wherein said optical components are arranged such that said light beams have at least partly common light paths.

14. (Previously Presented) The optical system according to claim 12, wherein said optical components are arranged such that said light beams have completely separate light paths.

15. (Currently Amended) An optical unit comprising:

- a first light source configured for generating a first light beam;
- a second light source configured for generating a second light beam;
- optical components for directing and focusing at least one of the first light beam and the second light beam in a focal spot on an optical disc;
- a first optical detector unit configured for receiving the

first light from the first light source;

a second optical detector unit configured for receiving the second light from the second light source;

optical components for directing a reflected light beam to the first optical detector unit and the second optical detector unit;

the first optical detector unit and the second optical detector unit each comprising an array of detector segments and at least one being connected together to a common output terminal defining a current output of the first optical detector unit; unit and the second optical detector unit; and

a signal processing circuit having a processing terminal which is directly connected to the common output terminal so that the processing terminal is directly connected to both the first optical detector unit and the second optical detector unit;

wherein only the first optical detector unit is operative, as determined by an identity of a first light source in use, the second optical detector unit being non-operative by virtue of not receiving light from a second light source so that an output of the second optical detector unit is floating and does not affects

output signals produced by the first optical detector unit.

16. (Previously Presented) A disc drive apparatus, comprising
an optical system according to claim 7.

17. (Previously Presented) The disc drive apparatus,
comprising at least one optical unit according to claim 15.

Claim 18 (Canceled)